



AB FINE ARTS AIRBRUSH

INSTRUCTIONS & PARTS-AB-570
Supersedes Instructions-Price List AB 4-69



INTRODUCTION: The AB Fine Arts Airbrush is the finest instrument obtainable.

- (a) A sensitive rocking lever action provides easy and positive control of the atomized color from a small dot to the sharpest line, which may be gradually widened by lever action to the color pattern desired.
- (b) Panel effects, contrasts, stone, metal and cloth textures can be made with the AB Airbrushes and the skill of the artist.
- (c) With A179 Color Cup and replaceable A177 Needle Bearing, the improved design makes conversion from easel position to drawing board position a simple adjustment.
- (d) The specially shaped cup holds more color with less possibility of spilling.
- (e) A drop of color at the point of the cup is all that is needed for many important jobs.
- (f) The AB Airbrush will not clog with opaque colors, India inks, printers inks or dyes can also be used without the slightest injury to the Airbrush. However colors should not be left to dry in the A179 Color Cup. Always mix colors to a milky consistency. High grade colors will produce the best results.
- (g) Practice is of utmost importance to acquire skill and to create the many fine artistic effects possible in freehand air drawing, mechanical and photo retouching.

OPERATION: It is important to have clean, dry air to insure best results and work. 6" M Manual Air Moisture Condenser Unit will provide sufficient capacity of clean and instantly regulated air pressure at all times for several Airbrushes.

- (a) Regulate Air to about 25 lbs. or from a few lbs. for stipple to any higher pressure for finer atomization.
- (b) After attaching Air Hose to the Compressor or Air Outlet, blow out any foreign matter that may be in the Air Hose or Airline, then screw AC 20 1/8" / 4" - 40 Thread Coupling securely to A128 Valve casing.
- (c) Check all Hose and Pipe connections to make sure there are no Air leaks.
- (d) When cup is new it is necessary to start flow of color by using a stiff brush to push the color into the needle slot, or by pressing the thumb over the entire cup opening in a pumping action, thus feeding color to the needle slot.
- (e) Repeat this action until color flows freely in the slot of A177 Needle Bearing.
- (f) Airbrush should be held so that the needle is parallel to the surface of work.
- (g) Press A121 Finger Button straight down with index finger, to position the Airbrush so it will produce a fine line when held near working surface.
- (h) To widen the spray draw the Airbrush gradually away from the surface, while slowly pulling back on A121 Finger Button.
- (i) Practice finger movement until you are familiar with the action of the Airbrush and the distance it should be held from the work to obtain the desired width of color to be applied. For fine lines ease forward on A121 Finger Button.

IMPORTANT ADJUSTMENTS: A142 Needle Guide holds the needle in alignment. This should be adjusted to guide the needle in the bearing, not too tight (as this will cause friction) and not too loose (as this will permit needle to vibrate). The needle should move freely to produce the finest line, graduating into a wider atomized pattern according to the position of the A121 Finger Button.

- (a) A60 Lever Adjusting Screw regulates the needle so that it can always be set to start with the finest line.
- (b) By turning A60 Lever Adjusting Screw to the right needle is brought forward to start a heavier line.
- (c) A116 Needle is one of the most important parts of the Airbrush, as all art work produced depends on the needle point. Needles are packed in special holders to protect the fine point of the needles, required for the finest detail work. Protection and care must be taken to keep point straight at all times.
- (d) A bent needle will cause frayed lines. When changing the needle, use tweezers and place bent end down in A107 Walking Arm Slot and into groove below.
- (e) Press needle under A142 Needle Guide and gently place point of needle into A177 Needle Bearing slot without bending it. For removing, reverse procedure.
- (f) A101 Air Blast Jet must always be set so that Air Blast will center the needle. Proper alignment of the Air Blast with the needle will produce a fine line and smooth spray.
- (g) If A101 Air Blast Jet orifice is clogged, the spray will be coarse. Clean by removing A101 Air Blast Jet and blow out any foreign material.
- (h) A140 Speed Regulating Screw controls the speed of the wheel and needle. A140 Speed Regulating Screw can be turned up for fast feed or down for slow feed of color.
- (i) A146 Stipple Adjusting Screw controls the volume of Air released. By turning this to the right, a stipple effect can be produced. By varying the position of this screw, the texture of the stipple can be controlled from a very fine to a coarse stipple which requires a very low air pressure and heavy color to create stipple.
- (j) A179 Color Cup is adjustable for drawing board or easel use. To change the position of A179 Color Cup, tilt Color Cup to desired position with finger.
- (k) Color Cup Screw A160 should be tight at all times.
- (l) Adjust the Air Blast Tube A138 if necessary, to center the needle for smooth or coarse texture affects.
- (m) A177 Needle Bearing is removeable. When worn out, press out and insert a new A177 Needle Bearing.

CARE AND CLEANING: For cleaning, use a bristle brush saturated with water or solvent for color used. After soaking until the dry color has dissolved, empty color cup by placing the bristle between A101 Air Blast Jet and the A177 Needle Bearing. Then operate the finger lever to create a suction to draw the remaining fluid from the cup. Dry with Air Pressure before putting Airbrush away.

- (a) A114 Self-feeding Grease Cup should be kept filled with vaseline lubricant.
- (b) A142 Needle Guide should be lubricated, so the needle may run without friction.

(Continued on Page 2)

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CHICAGO, ILLINOIS 60614

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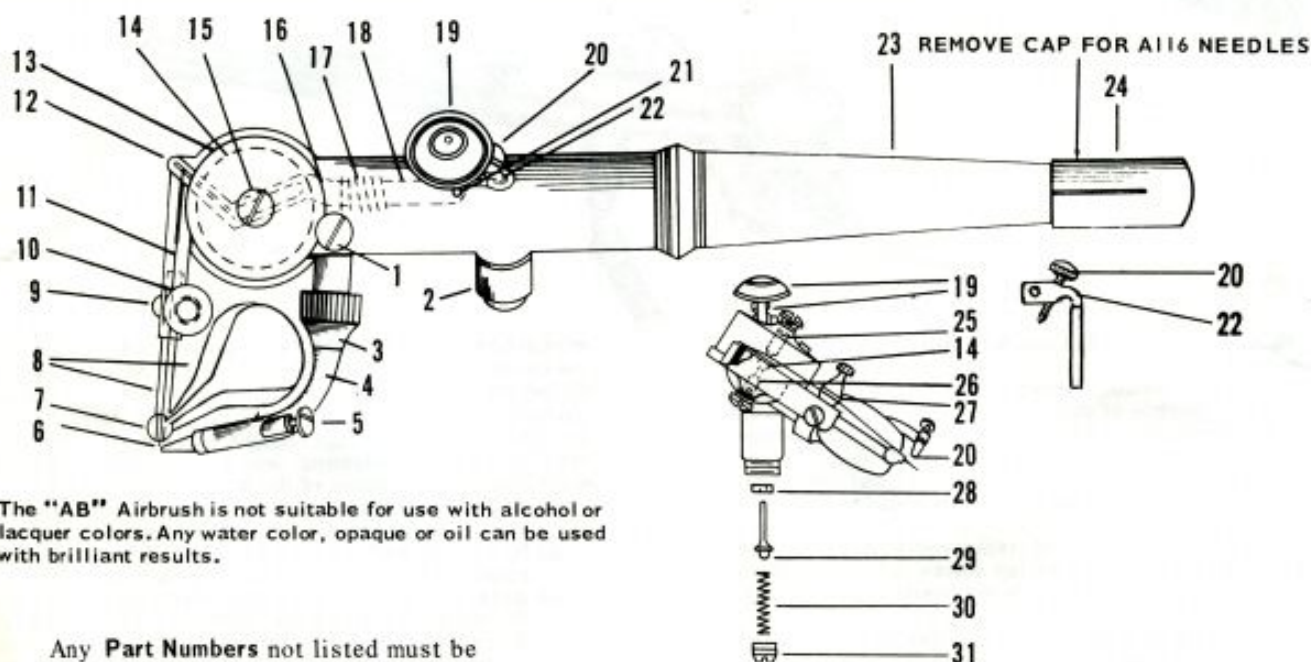
Paasche Airbrush Co.

PHONE: 281-6650
Area Code 312

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Paasche AB AIRBRUSH REPLACEMENT PARTS

(Continued from Page 1)



The "AB" Airbrush is not suitable for use with alcohol or lacquer colors. Any water color, opaque or oil can be used with brilliant results.

Any Part Numbers not listed must be replaced and serviced at the factory.

ITEM	PART NO.	DESCRIPTION
1	A140	Speed Regulating Screw
2	A128	Valve Casing
3	A139	Air Blast Tube Locknut
4	A138	Air Blast Tube
5	A146	Stipple Adjuster
6	A101	Air Blast Jet
7	A177	Needle Bearing
8	A179	Color Cup Assembly
9	A160	Color Cup Screw
10	A142	Needle Guide
11	A116	Needles, per doz.
12	A107	Walking Arm
13	*A131	Wheel Housing
14	*A172	Power Wheel & Shaft Assembly
15	A114	Self-Feeding Grease Cup
16	A106	Walking Arm Shaft
17	A105	Walking Arm Spring
18	A104	Walking Arm Plunger
19	A121	Finger Lever & Button
20	A60	Lever Adjusting Screw
21	A58	Lever Pivot
22	A14	Finger Lever Fork Stem

ITEM	PART NO.	DESCRIPTION
23	A161	Handle
24	VL118	Protecting Cap
25	A133	Top Shaft Bearing
26	A154	Bottom Shaft Bearing
27	A143	Needle Guide Spring
28	A52	Valve Washers, per doz.
29	*H21A	Valve Plunger
30	A22	Valve Spring
31	A23A	Valve Nut

* To be fitted at the factory.

For further information write service department.

PART NO.	ACCESSORIES
A-1/8"-6'	Air Hose with Couplings
A34	Airbrush Hanger
A64	Screw Driver
A117	Tweezers
AB	Case (free with Airbrush)
AC-1/8"-1/4"	Coupling
AC 20°-1/8"-1/4"-40	Coupling
HF-1/4"	Line Valve

For AB(Left Hand) Airbrush add the letters "LH" to part number-sample A116 LH Needles.

Keep color cup clean - This airbrush will last a lifetime - and pay for itself many times over.

AUTHORIZED DEALER: